

## **ELECTRONIC FILTER WHEEL**

### **ABSTRACT OF THE DISCLOSURE**

A device is provided for selectively filtering an incident beam of light. A first interference-filter array is arranged to separate the incident beam into a plurality of spectrally complementary beams. An array of configurable optical shutters is disposed along paths of the separated beams to selectively block transmission of respective separated beams. A second interference-filter array is arranged to combine the separated beams whose transmission has not been blocked in accordance with states of the configurable optical shutters to produce a filtered output beam of light.

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